

# Storm Data and Unusual Weather Phenomena

January 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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## INDIANA, Northeast

INZ003>004-014>015

**La Porte - St. Joseph - Marshall - Fulton**

**20 0100EST**  
**21 1600EST**

**0 0 0**

**Heavy Snow**

Storm total snow amounts ranged from 6 to 10 inches across Fulton and Marshall counties with most of it falling from lake effect snow bands on the 20th. Laporte county totals ranged from 6 to 12 inches across the eastern third of Laporte county. A storm total of 12.5 inches of snow fell at the South Bend Airport with 9.3 inches attributed to lake effect.

...Synoptic and mesoscale conditions on the 20th/21st...

The coldest air of the season dropped into the midwest on the 20th behind a vigorous low pressure system which developed across the central plains on the 19th. The system tracked across central Indiana the night of the 19th dropping 4-6 inches of synoptic induced snowfall. As the system pulled east... deep northerly cyclonic flow developed in its wake as very cold air poured into the region. With the northerly fetch down along the long axis of Lake Michigan... a tremendous shore parallel snow band developed in the early morning hours of the 20th. Many locations under this snow band reported snowfall rates of 2 to 3 inches per hour with whiteout conditions. This band broke up by late afternoon on the 20th with the eventual development of multiple and not as intense lake effect snow bands which developed in response to even colder air spilling south out of Canada. General lake effect snowfall ranged from 6 to 10 inches with Baroda Michigan reporting the heaviest amount of 15 inches.

INZ003>004

**La Porte - St. Joseph**

**25 1600EST**  
**26 1200EST**

**0 0 0**

**Heavy Snow**

18-20 inches of snow fell in Michigan City and Laporte with most other locations across Laporte county reporting in excess of 1 foot. Many roads were closed due to the heavy snow and whiteout conditions the night of the 25th into the mid morning hours of the 26th. 9 inches of lake effect snow fell at the South Bend Airport with up to 12 inches along the St. Joseph/Laporte county line. Locations east of South Bend reported only an inch.

...Synoptic and mesoscale conditions on the 25th/26th...

A tremendous snowstorm was ongoing along the east coast during this period with a large nearly meridional longwave upper level trough in place across the upper midwest. A clipper type low pressure system rapidly dove southeast out of Alberta Canada early on the 25th spreading a band of light snow across Northern Indiana. Quick on its heels was a 1040 millibar arctic high. This combined with intensifying cold advection and induced thermal troughing along the lake and initial boundary layer wind trajectory of 360 degrees... led once again to a very intense shore parallel snowband to develop along the Lake Michigan shoreline during the late afternoon of the 25th reaching as far south as Lafayette Indiana. This band remained in roughly the same position for 12 hours before shifting westward into Lake and Porter counties the morning of the 26th. Many locations from western Berrien county into Laporte county reported from 14 to 20 inches of snow with the heaviest snowfall occurring in Michigan City and Laporte.

## MICHIGAN, Extreme Southwest

MIZ077>078

**Berrien - Cass**

**20 0100EST**  
**21 1600EST**

**0 0 0**

**Heavy Snow**

Storm total snow amounts across Berrien county ranged from 8 to 15 inches with 15 inches reported at Baroda. Storm total snow amounts ranged from 6 to 9 inches across Cass county with the heaviest snow falling along the Cass/Berrien county line on the 20th.

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MIZ077

**Berrien**

**25 1800EST**  
**26 0800EST**

**0 0 0**

**Heavy Snow**

Storm total snow amounts ranged from 2 inches in Niles to 16 inches in Baroda and Michiana and points west and southwest as the most intense snow bands hugged the Lake Michigan shoreline before shifting westward the morning of the 26th.

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January 2000

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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

### MICHIGAN, Extreme Southwest

...Synoptic and mesoscale conditions on the 25th/26th...

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